The Department of Electrical and Computer Engineering of the Faculty of Science and Engineering at Laval University (Quebec City, Canada) solicits applications for submission to a competition for NSERC Canada Research Chairs (tier 1 and tier 2).

Candidates must have solid research experience in a field related to the science and engineering of optical metrology. Areas of interest include but are not limited to frequency metrology, spectral and interferometric measurements, signal processing, coherent measurements and considerations of noise in optical measurements. The proposed research should address the hardware implementation of these technologies in areas of application including but not limited to remote sensing, biomedical, optical communications, imaging, etc.

The successful applicant must be capable of developing an excellent research program with financial support from government and industry, directing the research of MSc and PhD students, offering quality instruction at both the undergraduate and graduate level, and contributing to the development and evolution of courses and programs within their specialty at both the undergraduate and graduate level.

Qualifications
Candidates must hold a doctorate in electrical engineering, or an equivalent discipline at the time of employment. The successful candidate has to be a registered member of the O.I.Q. (Ordre des ingénieurs du Québec) or be eligible and committed to acquire registration with the O.I.Q. or another Canadian professional engineering association. As teaching is in French, the successful candidate must have or acquire both oral and written skills in French. Laval University offers non-francophone candidates various language training options for achieving the necessary level of competency in French.

About Laval University
Located in Quebec City, a World Heritage City, Laval University is the first French-language university in North America. It is among the top research universities in Canada, ranking 8th with more than $350 million in research funding. Laval University has some 43,000 students, more than 11,000 of whom are graduate students.

University’s commitment to equity, diversity and inclusion
Laval University promotes excellence in research and research training and ensures equal opportunities for all candidates in accordance with its recruitment policies, including the "Access Equality of Employment Program".

For the University, excellence and equity are compatible and complementary. For example, Laval University has defined its Equity, Diversity and Inclusion Action Plan to increase the representation of women, Aboriginal people, people with disabilities and those belonging to visible minorities in Canada Research Chair (CRC) positions at our institution.

As a result, this competition is open to all nominations, including those from minority groups i.e., women, Aboriginal peoples, persons with disabilities and persons belonging to visible minorities. However, due to the underrepresentation of persons belonging to visible minorities and persons with disabilities, priority
will be given to applications from individuals who identify themselves as belonging to one or both of these groups and with a comparable level of excellence.

**Required profile**

*The Canada Research Chairs Program (CRC)* aims to attract and retain some of the most accomplished and promising researchers in the world.

For **Tier 1 Research Chairs**, applicants are outstanding researchers, recognized by their peers as world leaders in their field. They must provide an original, innovative research program of the highest quality and have skills in teaching and supervising graduate students.

For **Tier 2 Research Chairs**, applicants are new investigators, recognized by their peers for their potential or achievements in their field. They must offer a promising and innovative research program as well as demonstrate interest and competency in teaching. They must have been active in their field for less than 10 years at the time of the nomination.

Candidates who obtained their most advanced degree more than 10 years ago (and whose career has been interrupted for reasons mentioned below) may have their eligibility to a Tier 2 Chair evaluated according to the CRC Program. For more information, please contact Jean-Philippe Marquis (jean-philippe.marquis@vrr.ulaval.ca) at the Office of the Vice Rector of Research, Creation, and Innovation (VRRCI) at Laval University.

**Career interruptions and delays**

To respect its commitments in terms of diversity and equity, Laval University recognizes that career interruptions like parental leave, medical leave, clinical training, health-related family issues or handicaps can have adverse effects on productivity and research accomplishments. Candidates are therefore encouraged to mention these aspects in their letter of intent, when applicable.

Furthermore, within the scope of this call for applications, conciliation measures can be confidentially offered to people living with a handicap. If you require such a conciliation measure, please contact the person in charge of equity, diversity and inclusion considerations at the Faculty of Science and Engineering, Patrice Bouchard at Patrice.Bouchard@fsg.ulaval.ca, Tel.: 418-656-2131 ext. 406543.

**Submission of the documents**

- A CRC curriculum vitae which has two sections, namely
  - The CRC CV form.
  - The CRC CV annex as required on pages 4 to 7 in the CRC CV form.
- Research project: a description of the research program (3 to 6 pages) as required in sections 2a to 2f of the CRC nomination form.

**Deadline for reception of applications by the Department**

The deadline for receipt of applications for the Department is June 7, 2019 at 4pm. Please submit your file electronically, in PDF format, to Dr. Paul Fortier, Chair of the Department (directeur@gel.ulaval.ca). Interested persons are invited to contact the Chair of the Department as soon as possible.
Additional information
Applications selected by the Department of Electrical and Computer Engineering must successfully pass an internal selection at Laval University (preselection of the Faculty of Science and Engineering and selection by the institutional committee) and evaluation by the Canada Research Chair. Applications will be evaluated according to the following criteria: quality of the chair holder, quality of the research program, structuring effect, and commitment of the community.